Early pandemic forecast for Bulgaria M: multi-output M: multi-output M: repeated single-output (deaths + mobility) (deaths) (deaths) per million of population Prediction Prediction 20 20 20 Truth Truth Death incidence 15 15 15 10 10 10 Prediction 5 5 5 Truth 0 10 12 8 8 10 12 6 6 10 12 Days since April 22 2020 Days since April 22 2020 Days since April 22 2020 B: LSTM (deaths) B: Bi-LSTM (deaths) B: GRU (deaths + mobility) per million of population Prediction Prediction Prediction 20 20 20 Truth Truth Truth Death incidence 15 15 15 10 10 10 5 5 5 8 12 10 12 8 10 12 8 10 6 6 6 Days since April 22 2020 Days since April 22 2020 Days since April 22 2020 B: ARIMA wavelet **B**: Persistence Prediction Prediction per million of population 20 20 Truth Truth Death incidence 15 15 10 10 5 5 10 12 10 12 8 2 0 Days since April 22 2020 Days since April 22 2020